

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|--|------------------|---------|------------------|
| L1 | 823142 | epox\$6 diepox\$6 triepox\$6 polyepox\$6 glycidyl\$ diglycidyl\$ triglycidyl\$ tetraglycidyl\$ polyglycidyl\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L2 | 1725 | (solvent acetone) same (organoclay clay nanoclay (layer \$4 near2 silicate)) same L1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L3 | 223 | (solvent acetone) with (organoclay clay nanoclay (layer \$4 near2 silicate)) with L1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L4 | 35 | L3 and (exfoliat\$ agglomerat\$ deagglomerat\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L5 | 1081 | ((solvent acetone solution) with (organoclay clay nanoclay (layer \$4 near2 silicate))) and (L1 with (solvent acetone solution)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L6 | 185 | L5 and (exfoliat\$ agglomerat\$ deagglomerat\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L7 | 115 | L5 and (exfoliat\$ agglomerat\$ deagglomerat\$) and (agglomerat\$ deagglomerat\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L8 | 42172 | (fluid adj3 circuit) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L9 | 1 | (fluid adj3 circuit) and ((high near3 pressure) with (high near3 velocity)) and (pressure near3 collapse) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |

| | | | | | | |
|-----|------|--|--|----|----|------------------|
| L10 | 88 | (fluid adj3 circuit) and ((high near3 pressure) with (high near3 velocity)) and (pressure near3 drop) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L11 | 155 | ((fluid adj3 circuit) and (((high increase\$5 high\$3) near3 pressure) with ((high increase\$5 high\$3) near3 velocity)) and (pressure near3 drop)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L12 | 40 | (fluid adj3 circuit) and (((high increase\$5 high\$3) near3 pressure) with ((high increase\$5 high\$3) near3 velocity)) and (pressure near3 drop) and dispers\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L13 | 1051 | (fluid adj3 circuit) and ((reduce\$4 restrict\$4 decrease\$4) with (diameter) and (pressure near3 drop)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L14 | 4 | (fluid adj3 circuit) and ((reduce\$4 restrict\$4 decrease\$4) with (diameter) and (pressure near3 drop) and (agglomerat\$ deagglomerat\$)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L15 | 58 | (fluid adj3 circuit) and ((reduce\$4 restrict\$4 decrease\$4) with (diameter) and (pressure near3 drop) and (obstacle)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L16 | 56 | (fluid adj3 circuit) and (((reduce\$4 restrict\$4 decrease\$4) with (diameter) and (pressure near3 drop) and (particle particulate agglomerate) with (reduce\$4 break\$4 deagglomerat\$))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L17 | 5410 | dispersion and ((reduce\$4 restrict\$4 decrease\$4) with (diameter) and (pressure near3 (drop reduce\$4)) and ((particle particulate agglomerate) with (reduce\$4 break\$4 deagglomerat\$))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L18 | 1717 | ((reduce\$4 restrict\$4 decrease\$4) with (diameter) same (pressure near3 (drop reduce\$4)) same ((particle particulate agglomerate) with (reduce\$4 break\$4 deagglomerat\$))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |

| | | | | | | |
|-----|------|---|--|----|----|------------------|
| L19 | 893 | ((reduc\$4 restrict\$4 decreas\$4) with diameter) same (pressure near3 (drop reduc\$4)) same ((particle particulate agglomerate) with (reduc\$4 break\$4 deagglomerat\$)) and (dispers\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L20 | 6 | ((reduc\$4 restrict\$4 decreas\$4) with diameter) same (pressure near3 (drop reduc\$4)) same ((particle particulate agglomerate) with (reduc\$4 break\$4 deagglomerat\$)) and (dispers\$) and exfoliat\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L21 | 303 | ((apparatus device circuit) same ((reduc\$4 restrict\$4 decreas\$4) with diameter) same (pressure near3 (drop reduc\$4)) same ((particle particulate agglomerate) with (reduc\$4 break\$4 deagglomerat\$))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L22 | 86 | ((apparatus device circuit) same ((reduc\$4 restrict\$4 decreas\$4) near5 diameter) same (pressure near3 (drop reduc\$4)) same ((particle particulate agglomerate) near5 (reduc\$4 break\$4 deagglomerat\$))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L23 | 2468 | ((apparatus device circuit) with (fluid flow)) and ((reduc\$4 restrict\$4 decreas\$4) near5 diameter) and (pressure near3 (drop reduc\$4)) and ((particle particulate agglomerate) near5 (reduc\$4 break\$4 deagglomerat\$)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L24 | 175 | ((apparatus device circuit) with (fluid flow)) and ((reduc\$4 restrict\$4 decreas\$4) near5 diameter) same pressure same velocity) and (pressure near3 (drop reduc\$4)) and ((particle particulate agglomerate) near5 (reduc\$4 break\$4 deagglomerat\$)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L25 | 9396 | microfluidiz\$ nanofluidiz\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L26 | 3 | L5 and L25 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |

| | | | | | | |
|-----|-------|---|--|----|----|------------------|
| L27 | 510 | (solvent acetone solution) and (organoclay clay nanoclay (layer \$4 near2 silicate)) and L1 and L25 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L28 | 30 | ((solvent acetone solution) and ((organoclay clay nanoclay (layer \$4 near2 silicate)) same L1) and L25 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L29 | 49 | ((solvent acetone solution) with (organoclay clay nanoclay (layer \$4 near2 silicate))) and L1 and L25 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L30 | 5 | ((solvent acetone solution) same (organoclay clay nanoclay (layer \$4 near2 silicate)) same L25) and L1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L31 | 2 | us-20030026888-S.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L32 | 1 | L24 and L31 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L33 | 3 | "4533254".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L34 | 2 | "4908154".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L35 | 22 | hoa-v\$.in. hoa-v\$-.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L36 | 15674 | liu-w\$.in. liu-w\$-.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |

| | | | | | | |
|-----|--------|--|--|----|----|---------------------|
| L37 | 118 | pugh-m\$ in. pugh-m\$-in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L38 | 5161 | ton\$5-m\$ in. ton\$5-m\$-in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L39 | 20958 | L35 L36 L37 L38 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L40 | 5 | L5 and L39 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L41 | 1627 | 523/440.ccls. 523/443.ccls. 523/466.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L42 | 539 | 366/341.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L43 | 61914 | L41 L42 "366"/\$.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| L44 | 22 | L5 and L43 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/22 17:18 |
| S25 | 496814 | silicone polysiloxane polyorganosiloxane polydiorganosiloxane organopolysiloxane organosiloxane diorganopolysiloxane siloxane organosilicone | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 09:00 |
| S26 | 317795 | curative hardener (cross adj2 linker) crosslinker ((curing hardening (cross adj2 linking) crosslinking) adj2 (agent promoter)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/06/28 14:33 |

| | | | | | | |
|-----|---------|---|--|----|----|------------------|
| S27 | 1222941 | amine amino diamine diamino triamine triamino polyamine polyamino | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/12/12 13:13 |
| S28 | 605176 | epox\$6 diepox\$6 triepox\$6 polyepox\$6 glycidyl\$ diglycidyl\$ triglycidyl\$ tetraglycidyl\$ polyglycidyl\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/14 09:01 |
| S31 | 777467 | epox\$6 diepox\$6 triepox\$6 polyepox\$6 glycidyl\$ diglycidyl\$ triglycidyl\$ tetraglycidyl\$ polyglycidyl\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 10:01 |
| S32 | 34749 | (clay nanoclay (layer\$4 near2 silicate)) with (solvent solution) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 10:03 |
| S33 | 3513 | (clay nanoclay (layer\$4 near2 silicate)) with S31 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 10:03 |
| S34 | 691 | S32 and S33 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 10:03 |
| S35 | 950 | flow with (microcircuit ((micro micrometer) near5 circuit)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 10:04 |
| S36 | 201731 | flow with (cell microcircuit ((micro micrometer) near5 circuit)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 10:04 |
| S37 | 1 | S34 and S35 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 10:05 |
| S38 | 7 | S34 and S36 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 10:05 |

| | | | | | | |
|-----|-------|---|--|----|----|------------------|
| S39 | 1576 | pressure with velocity with (shear shear\$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 10:06 |
| S40 | 6 | S34 and S39 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 10:07 |
| S42 | 41544 | (organoclay clay nanoclay (layer \$4 near2 silicate)) with (solvent solution slurry) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 10:21 |
| S43 | 3536 | (organoclay clay nanoclay (layer \$4 near2 silicate)) with S31 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 10:22 |
| S44 | 744 | S42 and S43 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 10:22 |
| S45 | 9 | S44 and S39 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 10:22 |
| S46 | 4 | ("4664842" "5110501").pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 10:33 |
| S47 | 28 | ("4739007" I "4810734" I "4889885" I "5164440" I "5385776" I "5554670" I "5663111" I "5728764" I "5780376").PN, OR ("6271298").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/02/24 11:01 |

| | | | | | | |
|-----|-----|--|------------------------|----|----|---------------------|
| S48 | 221 | ("20010056149" "20020002230" "2367384" "2531396" "2531427" "2531440" "2531812" "2552775" "2622987" "2658869" "2739067" "2750296" "2754219" "2767177" "2795545" "2883356" "2885360" "2966506" "3027322" "3084117" "3125547" "3136819" "3252757" "3471439" "3537994" "3567680" "3573944" "3586478" "3666407" "3671190" "3687846" "3691070" "3764456" "3779933" "3804656" "3839389" "3843591" "3855147" "3915867" "3951850" "3954943" "3974125" "3977894" "3988287" "4033764" "4040974" "4049780" "4053493" "4060518" "4081496" "4087365" "4105578" "4116866" "4190686" "4216135" "4240951" "4251576" "4290935" "4291154" "4314919" "4314929" "4315828" "4339391" "4341565" "4349389" "4365030" "4382868" "4386010" "4391637" "4410364" "4412018" "4431755" "4434075" "4434076" "4444714" "4450095" "4454237" "4454244" "4455382" "4462470" "4464274" "4465542" "4470912" "4472538" "4473477" "4473675" "4480060" "4500668" "4508628" "4517094" "4528104" "4528304" "4549966" "4552712" "4558075" "4569923" "4600515" "4620993" "4623398" "4631091" "4640716" "4659760" "4664842" "4690868" "4695402" "4724098" "4739007" "4743305" "4743306" "4753974" "4775586" "4786558" "4789403" "4804703" "4810734" "4876030" "4889885" "4990405" "5061744" | US-PGPUB; USPAT; USOCR | OR | ON | 2010/02/24 11:01 |
|-----|-----|--|------------------------|----|----|---------------------|

| | | | | | | |
|-----|-----|---|----------------------------|----|----|---------------------|
| | | "5089200" "5102948" "5110501" "5151155" "5160454").PN, OR ("5164433" "5164440" "5164460" "5188064" "5248641" "5248720" "5310775" "5334241" "5376604" "5385776" "5391228" "5464472" "5514734" "5552469" "5554670" "5574179" "5576257" "5578672" "5616286" "5663111" "5700319" "5718841" "5728764" "5735943" "5739087" "5780376" "5785749" "5786417" "5798324" "5837654" "5882662" "5883173" "5900309" "5905109" "5916863" "5919863" "5955535" "5962553" "5969029" "5977050" "5989331" "6025303" "6034163" "6036765" "6037315" "6060549" "6074474" "6084019" "6087016" "6113891" "6124245" "6133374" "6136241" "6147151" "6153572" "6162857" "6187719" "6221831" "6225374" "6271298" "6287634" "6287992" "6407155").PN, OR ("6730719").URPN, | US-PPGPUB; USPAT; USOCR | OR | ON | 2010/02/24 11:02 |
| S49 | 219 | ("2367384" "2531396" "2531427" "2531440" "2531812" "2552775" "2622987" "2658869" "2739067" "2750296" "2754219" "2767177" "2795545" "2883356" "2885360" "2966506" "3027322" "3084117" "3125547" "3227675" "3252757" "3290165" "3471439" "3509066" "3537994" "3567680" "3573944" "3666407" "3671190" "3687846" "3691070" "3764456" "3804656" "3839389" "3843591" "3844978" "3844979" "3852405" "3855147" "3915867" "3951850" "3974125" "3977894" "3988287" "4033764" "4033893" "4040974" "4060518" "4081496" "4087365" " | | | | |

"4105578" I "4116866" I
"4190686" I "4216135" I
"4216188" I "4240951" I
"4251576" I "4290935" I
"4291154" I "4314919" I
"4314929" I "4339391" I
"4341565" I "4349389" I
"4365030" I "4382868" I
"4386010" I "4391637" I
"4410364" I "4412018" I
"4431755" I "4434075" I
"4434076" I "4444714" I
"4450095" I "4454237" I
"4455382" I "4462470" I
"4464274" I "4465542" I
"4470912" I "4472538" I
"4473477" I "4473675" I
"4480060" I "4500668" I
"4508628" I "4517094" I
"4528104" I "4528304" I
"4552712" I "4558075" I
"4569923" I "4600515" I
"4620993" I "4623398" I
"4631091" I "4640716" I
"4659760" I "4664842" I
"4690868" I "4695402" I
"4724098" I "4739007" I
"4743305" I "4743306" I
"4753974" I "4775586" I
"4786558" I "4789403" I
"4804703" I "4810734" I
"4830843" I "4876030" I
"4889885" I "4990405" I
"5061744" I "5089200" I
"5102948" I "5110501" I
"5114895" I "5151155" I
"5160454" I "5164433" I
"5164440",PN, OR ("5164460"
I "5188064" I "5248641" I
"5248720" I "5310775" I
"5328590" I "5334241" I
"5376604" I "5385776" I
"5391228" I "5429999" I
"5464472" I "5514734" I
"5552469" I "5554670" I
"5574179" I "5576257" I
"5578672" I "5616286" I
"5663111" I "5700319" I
"5718841" I "5728764" I
"5735943" I "5739087" I
"5780376" I "5785749" I
"5786417" I "5837654" I
"5843862" I "5882662" I
"5883173" I "5900309" I
"5916863" I "5955535" I
"5962553" I "5969029" I
"5989331" I "6025295" I
"6025303" I "6034163" I
"6036765" I "6037315" I
"6060549" I "6074474" I

| | | | | | | |
|-----|------|---|--|----|----|---------------------|
| | | "6084019" l "6087016" l "6113891" l "6123962" l "6124245" l "6162857" l "6221831" l "6225374" l "6287634" l "6287992" l "6380295" l "6407155".PN OR ("6787592").URPN. | | | | |
| S50 | 263 | S47 S48 S49 | US-PGPUB; USPAT; USOCR | OR | ON | 2010/02/24 11:02 |
| S51 | 19 | (pinavaia-\$ in. pinavaia-\$-\$. in.) and S31 and (organoclay clay nanoclay (layer\$4 near2 silicate)) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/02/24 11:05 |
| S52 | 2061 | manton adj2 gaulin | US-PGPUB; USPAT; USOCR | OR | ON | 2010/02/24 11:07 |
| S53 | 125 | S52 and S31 and (organoclay clay nanoclay (layer\$4 near2 silicate)) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/02/24 11:07 |
| S54 | 425 | S44 and ((organoclay clay nanoclay (layer\$4 near2 silicate)) with (solvent)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:25 |
| S55 | 11 | (pinavaia-\$ in. pinavaia-\$-\$. in.) and S54 | US-PGPUB; USPAT; USOCR | OR | ON | 2010/02/24 11:26 |
| S56 | 337 | (organoclay clay nanoclay (layer \$4 near2 silicate)) with (solvent solution) with S31 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:29 |
| S57 | 176 | S56.ab. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:29 |
| S58 | 22 | S56 and ((organoclay clay nanoclay (layer\$4 near2 silicate)) with (solvent solution)).clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:32 |
| S59 | 278 | S31 and ((organoclay clay nanoclay (layer\$4 near2 silicate)) with (solvent solution)). clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:34 |
| S60 | 123 | S31 and ((organoclay clay nanoclay (layer\$4 near2 silicate)) with (solvent solution)). clm. and (S31 same (organoclay clay nanoclay (layer \$4 near2 silicate))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:34 |

| | | | | | | |
|-----|------|---|--|----|----|------------------|
| S61 | 1 | S31 and ((organoclay clay nanoclay (layer\$4 near2 silicate)) with (solvent solution)).clm. and (S31 same (organoclay clay nanoclay (layer \$4 near2 silicate))) and feely | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:42 |
| S62 | 1 | S31 and ((organoclay clay nanoclay (layer\$4 near2 silicate)) with (solvent solution)) and (S31 same (organoclay clay nanoclay (layer \$4 near2 silicate))) and feely | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:42 |
| S63 | 5 | S31 and ((organoclay clay nanoclay (layer\$4 near2 silicate)) with (solvent solution)) and feely | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:43 |
| S64 | 3 | S56 and (S39 S52) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:49 |
| S65 | 3162 | ((organoclay clay nanoclay (layer\$4 near2 silicate)) same (solvent solution) same S31) ((organoclay clay nanoclay (layer\$4 near2 silicate)).ab. and (solvent solution).ab. and S31. ab.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:50 |
| S66 | 8 | S65 and (S39 S52) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:50 |
| S67 | 4722 | ((organoclay clay nanoclay (layer\$4 near2 silicate)) same (solvent solution slurry water aqueous) same S31) ((organoclay clay nanoclay (layer\$4 near2 silicate)).ab. and (solvent solution slurry water aqueous).ab. and S31.ab.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:53 |
| S68 | 9 | S67 and (S39 S52) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:53 |
| S69 | 115 | S67 and (S39 S52 homogeniser homogenizer) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:53 |

| | | | | | | |
|-----|------|---|--|----|----|------------------|
| S70 | 34 | S67 and (S39 S52 (pressure near5 (homogeniser homogenizer))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 11:54 |
| S71 | 67 | (organoclay clay nanoclay (layer \$4 near2 silicate)) with (solvent solution slurry water aqueous) with sonicat\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 13:03 |
| S72 | 32 | S31 and S71 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 13:03 |
| S73 | 145 | (organoclay clay nanoclay (layer \$4 near2 silicate)) same (solvent solution slurry water aqueous) same sonicat\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 13:11 |
| S74 | 46 | S31 and S73 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 13:11 |
| S75 | 3841 | (organoclay clay nanoclay (layer \$4 near2 silicate)) same (solvent solution slurry water aqueous) same homogeneous | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 13:26 |
| S76 | 472 | S31 and S75 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 13:27 |
| S77 | 730 | (organoclay clay nanoclay (layer \$4 near2 silicate)) with (solvent solution slurry water aqueous) with homogeneous | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 13:27 |
| S78 | 791 | (organoclay clay nanoclay (layer \$4 near2 silicate)) with (solvent solution slurry water aqueous) with (homogeneous sonicat\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 13:27 |
| S79 | 148 | S31 and S78 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 13:27 |

| | | | | | | |
|-----|--------|--|--|----|----|------------------|
| S80 | 777467 | epox\$6 diepox\$6 triepox\$6 polyepox\$6 glycidylS diglycidyl\$ triglycidylS tetraglycidyl\$ polyglycidylS | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 16:49 |
| S81 | 791 | (organoclay clay nanoclay (layer \$4 near2 silicate)) with (solvent solution slurry water aqueous) with (homogeneous sonication) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 16:49 |
| S82 | 148 | S80 and S81 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 16:49 |
| S83 | 2 | us-20070299202-\$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/24 18:09 |
| S84 | 2 | us-20070299202-\$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 09:47 |
| S85 | 1 | S84 and (micrometer near5 circuit) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 09:48 |
| S86 | 1 | S84 and (micrometer near3 range) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:12 |
| S87 | 2 | S84 and (clay with exfoliation\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:19 |
| S88 | 2 | S84 and (agglomerate with diameter) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:21 |
| S89 | 2 | S84 and (fracture and viscoelastic and strain) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:23 |

| | | | | | | |
|-----|---|--|--|----|----|------------------|
| S90 | 1 | S84 and (loading same "k1c" same "g1c") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:25 |
| S91 | 1 | S84 and (loading and "k1c" and "g1c") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:26 |
| S92 | 2 | S84 and (loading) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:26 |
| S93 | 1 | S84 and "k.sub.1c" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:28 |
| S94 | 1 | S84 and "k.sub.1c" and "g.sub.1c" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:29 |
| S95 | 2 | S84 and (barrier with absorption with flammability) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:31 |
| S96 | 2 | S84 and (stability) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:34 |
| S97 | 2 | S84 and (pristine with clay) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:36 |
| S98 | 2 | S84 and aircraft | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:40 |
| S99 | 2 | S84 and aircraft and automobile and sport and adhesive and sealant and wood and coatings and pipe and boat and reservoir | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:41 |

| | | | | | | |
|------|--------|---|--|----|----|------------------|
| S100 | 83801 | (organoclay clay nanoclay (layer \$4 near2 silicate)) with (solvent solution slurry water aqueous) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:47 |
| S101 | 778041 | epox\$6 diepox\$6 triepox\$6 polyepox\$6 glycidyl\$ diglycidyl\$ triglycidyl\$ tetraglycidyl\$ polyglycidyl\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:48 |
| S102 | 9452 | S100 and S101 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:48 |
| S103 | 3550 | (organoclay clay nanoclay (layer \$4 near2 silicate)) same (solvent solution slurry water aqueous) same S101 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:48 |
| S104 | 201 | S103 and (S101 near5 rubber) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:49 |
| S105 | 10 | pinnavaia and (S101 near5 rubber) and (organoclay clay nanoclay (layer\$4 near2 silicate)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 10:53 |
| S106 | 156 | (S101 near5 rubber).ab. and (organoclay clay nanoclay (layer \$4 near2 silicate)).ab. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 11:29 |
| S107 | 22 | hoa-v\$.in. hoa-v\$.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:03 |
| S108 | 12191 | liu-w\$.in. liu-w\$.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:04 |
| S109 | 113 | pugh-m\$.in. pugh-m\$.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:04 |

| | | | | | | |
|------|-------|---|--|----|----|------------------|
| S110 | 0 | tonthat-m\$.in. tonthat-m\$.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:04 |
| S111 | 4907 | ton\$-m\$.in. ton\$-m\$.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:05 |
| S112 | 2 | S107 and S108 and S109 and S111 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:05 |
| S113 | 17219 | S107 S108 S109 S111 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:06 |
| S114 | 22 | S113 and solvent and (organoclay clay nanoclay (layer \$4 near2 silicate)) and S101 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:07 |
| S115 | 2 | S113 and solvent.clm. and (organoclay clay nanoclay (layer \$4 near2 silicate).clm. and S101.clm. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:09 |
| S116 | 1584 | 523/440.ccls. 523/443.ccls. 523/466.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:10 |
| S117 | 532 | 366/341.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:20 |
| S118 | 61323 | S116 S117 "366"/\$.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:20 |
| S119 | 1664 | (solvent acetone) same (organoclay clay nanoclay (layer \$4 near2 silicate)) same S101 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:21 |

| | | | | | | |
|------|----|---|--|----|----|---------------------|
| S120 | 31 | S118 and S119 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:21 |
| S121 | 57 | ("4465797" "4664842" "4687796" "4983672" "5439746" "5505895" "5514734" "5747557" "5747560" "5840796" "6040350" "6107387" "6174967" "6287992" "6384121" "6391449" "6407155" "6500892" "6579588" "20020055581" "20020058739" "20020086908" "20020098309" "20020107318" "20020119266" "20020137834" "20020143094" "20020165305" "20030039812").pn, | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:28 |
| S122 | 16 | ep-325058-S.did. ep-441047-S. did. ep-755415-S.did. ep- 785971-S.did. ep-890616-S.did. ep-899300-S.did. ep-1038913-S. did. ep-1141136-S.did. ep- 1312582-S.did. ep-228234-S. did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:32 |
| S123 | 11 | wo-93111190-S.did. wo- 9506090-S.did. wo-9611238-S. did. wo-9810012-S.did. wo- 0098540-S.did. wo-02079301-S. did. wo-02096982-S.did. wo- 02024759-S.did. wo-03066737- S.did. wo-200098540-S.did. wo- 2002079301-S.did. wo- 2002096982-S.did. wo- 2002024759-S.did. wo- 2003066737-S.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:34 |
| S124 | 0 | wo-020079301-S.did. wo- 020096982-S.did. wo- 020024759-S.did. wo- 030066737-S.did. wo- 2000098540-S.did. wo- 20020079301-S.did. wo- 20020096982-S.did. wo- 20020024759-S.did. wo- 20030066737-S.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:37 |
| S125 | 1 | wo-0279301-S.did. wo- 0296982-S.did. wo-0224759-\$. did. wo-0366737-S.did. wo- 200098540-S.did. wo- 200279301-S.did. wo- 200296982-S.did. wo- 200224759-S.did. wo- 200366737-S.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:38 |

| | | | | | | |
|------|--------|--|--|----|----|------------------|
| S126 | 0 | wo-0098540-\$ did. wo-200098540-\$ did. wo-0098540-\$ did. wo-200098540-\$ did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:39 |
| S127 | 1 | wo-0078540-\$ did. wo-200078540-\$ did. wo-00078540-\$ did. wo-2000078540-\$ did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:40 |
| S128 | 27 | ("4743306" "4983672" "5478885" "604350" "6251980" "6417262" "7166656" "5514734" "5962553" "7049353" "20050027040" "6914095" "6339025").pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:47 |
| S129 | 92 | (S121 S122 S123 S124 S125 S126 S127 S128) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:48 |
| S130 | 8 | S119 and S129 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/25 12:48 |
| S131 | 798713 | epox\$6 diepox\$6 triepox\$6 polyepox\$6 glycidylS diglycidyl\$ triglycidylS tetraglycidyl\$ polyglycidylS | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 10:43 |
| S132 | 1697 | ((solvent acetone) same (organoclay clay nanoclay (layer \$4 near2 silicate)) same S131 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 10:43 |
| S133 | 212 | ((solvent acetone) with (organoclay clay nanoclay (layer \$4 near2 silicate)) with S131 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 10:44 |
| S134 | 33 | S133 and ((exfoliatS agglomerat\$ deagglomerat\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 10:46 |
| S135 | 1042 | ((solvent acetone solution) with (organoclay clay nanoclay (layer \$4 near2 silicate))) and (S131 with (solvent acetone solution)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 10:51 |

| | | | | | | |
|------|-------|--|--|----|----|------------------|
| S136 | 170 | S135 and (exfoliat\$ agglomerat\$ deagglomerat\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 10:51 |
| S137 | 107 | S135 and (exfoliat\$ agglomerat\$ deagglomerat\$) and (agglomerat\$ deagglomerat\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 10:51 |
| S138 | 41149 | (fluid adj3 circuit) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:01 |
| S139 | 1 | (fluid adj3 circuit) and ((high near3 pressure) with (high near3 velocity)) and (pressure near3 collapse) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:03 |
| S140 | 86 | (fluid adj3 circuit) and ((high near3 pressure) with (high near3 velocity)) and (pressure near3 drop) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:04 |
| S141 | 151 | (fluid adj3 circuit) and (((high increase\$5 high\$3) near3 pressure) with ((high increase\$5 high\$3) near3 velocity)) and (pressure near3 drop) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:08 |
| S142 | 37 | (fluid adj3 circuit) and (((high increase\$5 high\$3) near3 pressure) with ((high increase\$5 high\$3) near3 velocity)) and (pressure near3 drop) and dispers\$5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:08 |
| S143 | 1018 | (fluid adj3 circuit) and ((reduce \$4 restrict\$4 decreas\$4) with (diameter) and (pressure near3 drop)) and (pressure near3 drop) and (agglomerat\$ deagglomerat\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:19 |
| S144 | 3 | (fluid adj3 circuit) and ((reduce \$4 restrict\$4 decreas\$4) with (diameter) and (pressure near3 drop) and (agglomerat\$ deagglomerat\$)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:19 |
| S145 | 56 | (fluid adj3 circuit) and ((reduce \$4 restrict\$4 decreas\$4) with (diameter) and (pressure near3 drop) and (obstacle)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:20 |

| | | | | | | |
|------|------|--|---|----|----|------------------|
| S146 | 51 | (fluid adj3 circuit) and ((reduce\$4 restrict\$4 decreas\$4) with (diameter) and (pressure near3 drop) and ((particle particulate agglomerate) with (reduce\$4 break\$4 deagglomerat\$)) | US-PGPUB; USPAT; USOCR; IFPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:27 |
| S147 | 5104 | dispersion and ((reduce\$4 restrict\$4 decreas\$4) with (diameter) and (pressure near3 (drop reduce\$4)) and ((particle particulate agglomerate) with (reduce\$4 break\$4 deagglomerat\$)) | US-PGPUB; USPAT; USOCR; IFPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:31 |
| S148 | 1671 | ((reduce\$4 restrict\$4 decreas\$4) with (diameter) same (pressure near3 (drop reduce\$4)) same ((particle particulate agglomerate) with (reduce\$4 break\$4 deagglomerat\$)) and (dispers\$) | US-PGPUB; USPAT; USOCR; IFPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:32 |
| S149 | 865 | ((reduce\$4 restrict\$4 decreas\$4) with (diameter) same (pressure near3 (drop reduce\$4)) same ((particle particulate agglomerate) with (reduce\$4 break\$4 deagglomerat\$)) and (dispers\$)) | US-PGPUB; USPAT; USOCR; IFPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:32 |
| S150 | 6 | ((reduce\$4 restrict\$4 decreas\$4) with (diameter) same (pressure near3 (drop reduce\$4)) same ((particle particulate agglomerate) with (reduce\$4 break\$4 deagglomerat\$)) and (dispers\$) and exfoliat\$ | US-PGPUB; USPAT; USOCR; IFPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:34 |
| S151 | 301 | ((apparatus device circuit) same ((reduce\$4 restrict\$4 decreas\$4) with (diameter) same (pressure near3 (drop reduce\$4)) same ((particle particulate agglomerate) with (reduce\$4 break\$4 deagglomerat\$))) | US-PGPUB; USPAT; USOCR; IFPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:36 |
| S152 | 85 | ((apparatus device circuit) same ((reduce\$4 restrict\$4 decreas\$4) near5 diameter) same (pressure near3 (drop reduce\$4)) same ((particle particulate agglomerate) near5 (reduce\$4 break\$4 deagglomerat\$))) | US-PGPUB; USPAT; USOCR; IFPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:37 |
| S153 | 2331 | ((apparatus device circuit) with (fluid flow) and ((reduce\$4 restrict\$4 decreas\$4) near5 (diameter) and (pressure near3 (drop reduce\$4)) and ((particle particulate agglomerate) near5 (reduce\$4 break\$4 deagglomerat\$))) | US-PGPUB; USPAT; USOCR; IFPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:56 |

| | | | | | | |
|------|------|---|--|----|----|------------------|
| S154 | 171 | ((apparatus device circuit) with (fluid flow)) and (((reduce\$4 restrict\$4 decrease\$4) near5 diameter) same pressure same velocity) and (pressure near3 (drop reduce\$4)) and ((particle particulate agglomerate) near5 (reduce\$4 break\$4 deagglomerate\$)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 11:58 |
| S155 | 8980 | microfluidiz\$ nanofluidiz\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 12:26 |
| S156 | 1 | S135 and S155 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 12:26 |
| S157 | 491 | (solvent acetone solution) and (organoclay clay nanoclay (layer \$4 near2 silicate)) and S131 and S155 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 12:27 |
| S158 | 28 | (solvent acetone solution) and ((organoclay clay nanoclay (layer\$4 near2 silicate)) same S131) and S155 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 12:28 |
| S159 | 47 | ((solvent acetone solution) with (organoclay clay nanoclay (layer \$4 near2 silicate))) and S131 and S155 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 12:30 |
| S160 | 5 | ((solvent acetone solution) same (organoclay clay nanoclay (layer \$4 near2 silicate)) same S155) and S131 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 12:34 |
| S161 | 2 | us-20030026888-\$ did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 12:36 |
| S162 | 1 | S154 and S161 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 12:36 |
| S163 | 2 | "4533254".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 12:42 |

| | | | | | | |
|------|-------|--|--|----|----|---------------------|
| S164 | 2 | "4908154".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 12:50 |
| S165 | 22 | hoa-v\$.in. hoa-v\$-.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 13:14 |
| S166 | 13746 | ltu-w\$.in. ltu-w\$-.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 13:14 |
| S167 | 115 | pugh-m\$.in. pugh-m\$-.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 13:14 |
| S168 | 5013 | ton\$5-m\$.in. ton\$5-m\$-.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 13:14 |
| S169 | 18882 | S165 S166 S167 S168 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 13:14 |
| S170 | 5 | S135 and S169 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 13:15 |
| S171 | 1603 | 523/440.ccls. 523/443.ccls. 523/466.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 13:30 |
| S172 | 535 | 366/341.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 13:30 |
| S173 | 61612 | S171 S172 "366"/\$.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 13:30 |

| | | | | | | |
|------|----|---------------|--|----|----|---------------------|
| S174 | 19 | S135 and S173 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/07/13 13:30 |
|------|----|---------------|--|----|----|---------------------|

12/22/10 5:25:50 PM

C:\Documents and Settings\mfeely\My Documents\EAST\Workspaces\10596750.wsp